

Title (en)

METHOD FOR PRODUCING OPTICALLY ACTIVE CYCLOPROPANECARBOXYLATE COMPOUND

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER OPTISCH AKTIVEN CYCLOPROPANCARBOXYLATVERBINDUNG

Title (fr)

PROCÉDÉ SERVANT À PRODUIRE UN COMPOSÉ CYCLOPROPANECARBOXYLATE OPTIQUEMENT ACTIF

Publication

EP 1783111 B1 20150408 (EN)

Application

EP 05758175 A 20050630

Priority

- JP 2005012533 W 20050630
- JP 2004195253 A 20040701

Abstract (en)

[origin: EP1783111A1] A method for producing an optically active cyclopropanecarboxylate compound represented by the formula (5): wherein R 6 , R 7 , R 8 and R 9 represent a C1-C6 alkyl group or the like and R 10 represents a C1-C6 alkyl group, which comprises reacting an olefin represented by the formula (3): wherein R 6 , R 7 , R 8 and R 9 are as described above, with a diazoacetic acid ester represented by the formula (4): #####N 2 CHCO 2 R 10 #####(4) wherein R 10 is as described above, in the presence of an asymmetric copper complex obtained by mixing (A) at least one monovalent or divalent copper compound, (B) at least one optically active bisoxazoline compound represented by the formula (1): wherein R 1 and R 2 represent a C1-C6 alkyl group or the like; R 3 represents a tert-butyl group or the like; and R 4 and R 5 are the same and represent C1-C3 alkyl groups or the like, and (C) at least one fluorine compound represented by the formula (2): #####A-MF 6 #####(2) wherein A represents a trityl group or the like, and M represents a phosphorous atom or the like.

IPC 8 full level

C07C 67/347 (2006.01); **C07B 61/00** (2006.01); **C07C 69/757** (2006.01); **C07D 263/14** (2006.01); **C07F 1/08** (2006.01)

CPC (source: EP KR US)

B01J 31/1815 (2013.01 - EP KR US); **C07B 53/00** (2013.01 - EP KR US); **C07C 67/347** (2013.01 - EP KR US); **C07D 263/14** (2013.01 - EP KR US); **B01J 2231/325** (2013.01 - EP KR US); **B01J 2531/16** (2013.01 - EP KR US); **C07B 2200/07** (2013.01 - EP KR US); **C07C 2601/02** (2017.04 - EP US)

Citation (examination)

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